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WMAP Cosmological Parameters

Model: olcdm+mnu

Data: wmap9+spt+act+snls3+bao+h0

$10^9 \Delta_{\mathcal{R}}^2$	$2.460^{+0.094}_{-0.095}$	$H_0$	$68.86^{+0.97}_{-0.98}$ km/s/Mpc
$A_{\text{clustered}}$	$< 11$ (95% CL)	$A_{\text{Poisson}}^{\text{ACT}}$	$14.7 \pm 2.4$
$A_{\text{Poisson}}^{\text{SPT}}$	$> 16$ (95% CL)	$\ell(\ell + 1)C_{220}/(2\pi)$	$5752^{+34}_{-33} \mu\text{K}^2$
$d_A(z_{\text{eq}})$	$14193 \pm 95$ Mpc	$d_A(z_*)$	$14025 \pm 100$ Mpc
$D_v(z = 0.57)/r_s(z_d)$	$13.35 \pm 0.13$	$\eta$	$(6.09 \pm 0.11) \times 10^{-10}$
$k_{\text{eq}}$	$0.00995 \pm 0.00028$	$\ell_{\text{eq}}$	$139.5^{+3.0}_{-3.1}$
$\ell_*$	$302.00 \pm 0.42$	$\sum m_\nu$	$< 0.80$ eV (95% CL)
$n_b$	$(2.500 \pm 0.044) \times 10^{-7}$ cm $^{-3}$	$n_s$	$0.963 \pm 0.010$
$\Omega_b$	$0.0470 \pm 0.0014$	$\Omega_b h^2$	$0.02226 \pm 0.00039$
$\Omega_c$	$0.241 \pm 0.010$	$\Omega_c h^2$	$0.1140 \pm 0.0040$
$\Omega_k$	$0.0036^{+0.0068}_{-0.0066}$	$\Omega_k$	$-0.0076 < \Omega_k < 0.0188$ (95% CL)
$\Omega_\Lambda$	$0.702^{+0.018}_{-0.019}$	$\Omega_m$	$0.295 \pm 0.014$
$\Omega_m h^2$	$0.1397^{+0.0053}_{-0.0052}$	$\Omega_\nu h^2$	$< 0.0085$ (95% CL)
$\Omega_{\text{tot}}$	$0.9964^{+0.0066}_{-0.0068}$	$\Omega_{\text{tot}}$	$0.98 < \Omega_{\text{tot}} < 1.01$ (95% CL)
$r_s(z_d)$	$152.5 \pm 1.1$ Mpc	$r_s(z_d)/D_v(z = 0.106)$	$0.3415 \pm 0.0045$
$r_s(z_d)/D_v(z = 0.2)$	$0.1867 \pm 0.0023$	$r_s(z_d)/D_v(z = 0.35)$	$0.1125 \pm 0.0012$
$r_s(z_d)/D_v(z = 0.44)$	$0.09246^{+0.00097}_{-0.00095}$	$r_s(z_d)/D_v(z = 0.54)$	$0.07819^{+0.00078}_{-0.00077}$
$r_s(z_d)/D_v(z = 0.57)$	$0.07491^{+0.00074}_{-0.00073}$	$r_s(z_d)/D_v(z = 0.6)$	$0.07197^{+0.00070}_{-0.00069}$
$r_s(z_d)/D_v(z = 0.73)$	$0.06211^{+0.00059}_{-0.00058}$	$r_s(z_*)$	$145.9 \pm 1.0$
$R$	$1.748^{+0.024}_{-0.023}$	$\sigma_8$	$0.750^{+0.046}_{-0.048}$
$\sigma_8 \Omega_m^{0.5}$	$0.407 \pm 0.022$	$\sigma_8 \Omega_m^{0.6}$	$0.360 \pm 0.019$
$\alpha_{\text{SNLS}}$	$1.43 \pm 0.11$	$\beta_{\text{SNLS}}$	$3.26 \pm 0.11$
$A_{\text{SZ}}$	$< 1.1$ (95% CL)	$t_0$	$13.74 \pm 0.20$ Gyr
$\tau$	$0.086 \pm 0.013$	$\theta_*$	$0.010403^{+0.000015}_{-0.000014}$
$\theta_*$	$0.59603^{+0.00084}_{-0.00082}$ $\circ$	$\tau_{\text{rec}}$	$283.7 \pm 2.2$
$t_{\text{reion}}$	$451^{+63}_{-64}$ Myr	$t_*$	$375787^{+3832}_{-3838}$ yr
$z_d$	$1019.86 \pm 0.83$	$z_{\text{eq}}$	$3262^{+92}_{-93}$
$z_{\text{rec}}$	$1088.60 \pm 0.74$	$z_{\text{reion}}$	$10.5 \pm 1.1$
$z_*$	$1091.48^{+0.75}_{-0.74}$		

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